

Name _____ Date _____

Algebra 2 Logarithmic Functions Test

Standards

LE.4—Logarithms and Logarithmic Functions (10-2)

Properties of Logarithms (10-3)

Common Logarithms (10-4)

Base e and Natural Logarithms (10-5)

Packet (due: 5/12 at the start of class-*stapled and ready to turn in!*)

- Refer to the 4-page document of "problems to choose from" on wiki
- Complete the packet of 18 problems
 - See the "template" to see how many problems you need from each section (A,B,C...) of each topic
- Your packet must have the work shown and **detailed justifications for everything!** You may use the format provided, "template," or organized your packet in a similar format using any of the following strategies:
 - diagramming/mapping with work and justifications.
 - box with work on one side and justifications on the other side.
 - a flip paper with work on the front and justifications on the other side.
- The level of difficulty chosen for your problems will affect your overall grade (must choose complex problems to get a 4)
- **The packet must be turned in with this cover sheet signed and the reflection below completed!**

By signing below, I verify that I did all of my own work to the best of my abilities.

Name _____ Date _____

Reflection

Final score	Standard	Overall Self-Assessment	Explanation of Overall Self-Assessment
	LE.4 Log. Funct.	1 2 3 4	

Name _____

Algebra 2 Logarithmic Functions Test—TEMPLATE

Logarithms and Logarithmic Functions (10-2)

Section A: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$ -
Work	Justifications

Section B: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$ -
Work	Justifications

Section D: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$ -
Work	Justifications

Section D: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$ -
Work	Justifications

Properties of Logarithms (10-3)

Section A: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$ -
Work	Justifications

Section A: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section B: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section B: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section B: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Common Logarithms (10-4)

Section B: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section C: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section C: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section D: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section D: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Base e and Natural Logarithms (10-5)

Section B: # _____	Self-Assessment + $\sqrt{+}$ $\sqrt{-}$
Work	Justifications

Section C: # _____	Self-Assessment + √+ √ -
Work	Justifications

Section D: # _____	Self-Assessment + √+ √ -
Work	Justifications

Section D: # _____	Self-Assessment + √+ √ -
Work	Justifications

